WHAT IS CLAIMED IS:

- 1. A method for manufacturing nitride light-emitting device, comprising the following steps:
 - providing a nitride lighting structure and a second substrate, the nitride lighting structure further comprising:
 - a first substrate made of aluminum oxide;
 - an N-type nitride epitaxial layer formed on the first substrate; and
 - a P-type nitride epitaxial layer formed on the N-type nitride epitaxial layer;
 - forming a first bonding layer on the P-type nitride epitaxial layer of the nitride lighting structure;
 - forming a second bonding layer on the second substrate, which is made of a semiconductor or a metal or an alloy;
 - fixing the first bonding layer and the second bonding layer together;
 - removing the first substrate of the nitride lighting structure to expose the N-type nitride epitaxial layer of the nitride lighting structure;
 - forming a transparent conductive layer on the N-type nitride epitaxial layer; forming an N-type electrode on the transparent conductive layer; and forming a P-type electrode on the second substrate.
- 2. The method according to Claim 1, wherein the first bonding layer is made of any of or any combination of aluminum, silver, gold, nickel, copper, platinum, titanium and palladium.
- The method according to Claim 1, wherein the first bonding layer has a thickness of 1μm.
- 4. The method according to Claim 1, wherein the first bonding layer is formed by depositing or sputtering or plating.
- 5. The method according to Claim 1, wherein the thermal conductivity coefficient of the second substrate is larger than 150W/m-K.

- 6. The method according to Claim 1, wherein the second substrate is made of aluminum.
- The method according to Claim 1, wherein the second bonding layer is made of any of or any combination of aluminum, silver, gold, nickel, copper, platinum, titanium and palladium.
- 8. The method according to Claim 1, wherein the second bonding layer has a thickness of $1\mu m$.
- 9. The method according to Claim 1, wherein the second bonding layer is formed by depositing or sputtering or plating.
- 10. The method according to Claim 1, wherein the first bonding layer and the second bonding layer are fixed face to face with a clamp and then bonded.
- 11. The method according to Claim 10, wherein the first bonding layer and the second bonding layer are bonded together at a temperature of 300°C with a pressure of 4kg/cm².
- 12. The method according to Claim 1, wherein the first substrate is removed by chemical etching or dry etching or mechanical abrading.
- 13. The method according to Claim 1, wherein the transparent conductive layer is made of any of or any combination of indium oxide, tin oxide, indium-tin oxide, zinc oxide, indium-zinc oxide, conductive nitride and magnesium oxide.